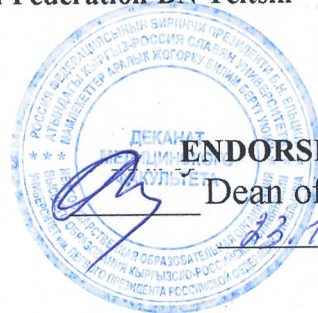


IEO HE Kyrgyz-Russian Slavic University  
 named after the First President of the Russian Federation BN Yeltsin



ENDORSED BY  
 Dean of the Faculty

## Intermediate Course of Therapy

### Course Annotation (Module)

Assigned to **Department of Therapy No. 2 (specialty "General Medicine")**

Academic Curriculum 25\_45 LDi . plx  
 Specialty 560001 - K R General Medicine  
 (for foreign students)

Qualification **Physician (General Medicine)**

Study Mode **Intramural (full-time)**

Program developed by PhD, MD, Associate Professor KA Dzhalobaeva  
 PhD, MD, Associate Professor ZT Radzhapova

#### Distribution of course hours by semester

Semester Academic Year	5 (3.1)		6 (3.2)		Total	
	Weeks	18	18	18		
Types of Training	AC	CO	AC	CO	AC	CO
Lectures	16	16	16	16	32	32
Practical sessions	48	48	48	48	96	96
Contact work during the period of theoretical training	0.3	0.3			0.3	0.3
Contact work during the examination period			0.5	0.5	0.5	0.5
Including Interactive Session	4	4	4	4	8	8
Total In-class Session	64	64	64	64	128	128
Face-to-face learning	64.3	64.3	64.5	64.5	128.8	128.8
Individual Work	25.7	25.7	26	26	51.7	51.7
Control hours			29	29	29.5	29.5
Total	90	90	12	12	210	210

### 1. COURSE OUTLINE OBJECTIVES

1.1	Training in a complete clinical examination of a medical patient with the most common diseases of internal organs, occurring in their typical ("classical") form; formulation of a detailed clinical diagnosis, according to the modern classification;
1.2	Consolidation and expansion of practical skills in examining a medical patient;
1.3	Teaching independent clinical thinking skills to future physicians.
1.4	Training in the main nosological forms of occupational diseases;

### 2. THE PLACE OF THE COURSE IN THE EDUCATIONAL PROGRAM

OOP cycle (section):		B1.O.03
<b>2.1</b>	<b>Students' preliminary training requirements:</b>	
2.1.1	Pathophysiology, clinical pathophysiology	
2.1.2	Propaedeutics of internal diseases	
2.1.3	Pharmacology	
2.1.4	Pathological anatomy	
2.1.5	Psychology and Pedagogy	
2.1.6	Normal physiology	
<b>2.2</b>	<b>Disciplines and practices for which mastery of this course (module) is required as a prerequisite:</b>	
2.2.1	Clinical Practice "Physician Assistant"	
2.2.2	Clinical Practice " Physician Assistant in an Outpatient Clinic"	
2.2.3	Hospital therapy	
2.2.4	Polyclinic therapy	
2.2.5	Standards for the diagnosis and treatment of internal diseases	
2.2.6	Family medicine	
2.2.7	Evidence-based medicine	

### 3. STUDENT COMPETENCIES DEVELOPED AS A RESULT OF MASTERING THE DISCIPLINE (MODULE)

**PC-15: Capable and ready to implement preventive measures to prevent infectious, parasitic and non-infectious diseases, monitor their effectiveness, promote a healthy lifestyle and educate the population on sanitary and hygienic issues.**

#### **Knowledge:**

- Fundamentals of epidemiology and prevention of infectious, parasitic and non-infectious diseases.
- Principles of vaccination, sanitary and hygienic standards, healthy lifestyle.
- Methods for assessing the effectiveness of preventive measures.

#### **Skills:**

- Conduct preventive examinations, screening, vaccination.
- Identify and eliminate risk factors for diseases.
- Evaluate the results of preventive programs and adjust them.
- Organize health education work.

#### **Expertise:**

- Skills in applying sanitary and hygienic requirements in practice.
- Methods of epidemiological control and monitoring.
- Techniques of motivational counseling for a healthy lifestyle.

**PC-9: Capable and ready to perform basic therapeutic measures for acute illnesses, conditions and exacerbations of chronic diseases that are not accompanied by a threat to the life of an adult patient and do not require emergency medical care in outpatient and inpatient settings.**

#### **Knowledge:**

Clinical manifestations, causes, and pathogenesis of the most common acute and chronic diseases that do not require emergency medical care. Principles for organizing outpatient care and managing patients with exacerbations of chronic diseases. Current standards and clinical guidelines for diagnosis, treatment, and monitoring of patients in outpatient and inpatient settings.

#### **Skills:**

Assess the patient's condition, make a diagnosis and determine the necessary amount of treatment in cases that are not life-threatening.  
Prescribe adequate drug therapy and monitor its effectiveness and safety.  
Prevent exacerbations of chronic diseases and provide educational support for adherence to the regimen

treatment, diet and lifestyle changes.
<b>Expertise:</b>
Skills in carrying out basic treatment and diagnostic procedures in an outpatient setting. Individualized approaches to managing patients with chronic diseases in remission and exacerbation. Skills in monitoring, assessing the effectiveness of therapy and promptly referring patients to a specialist if necessary.
<b>PC-8: Able and ready to use the algorithm of diagnostic measures to identify diseases, emergency and life-threatening conditions based on the results of clinical, laboratory and instrumental studies of organs, systems and the body as a whole to establish a diagnosis (primary, concomitant, complications) taking into account the ICD.</b>
<b>Knowledge:</b>
Principles of clinical diagnostics: diagnostic stages, diagnosis structure (underlying disease, comorbidities, complications), and rules for formulating it. The International Classification of Diseases (ICD), its structure, and rules for coding diseases and conditions. Clinical signs and pathogenetic mechanisms of emergency and life-threatening conditions (shock, myocardial infarction, pulmonary embolism, stroke, acute respiratory failure, etc.).
<b>Skills:</b>
Apply diagnostic algorithms based on complaints, medical history, physical examination data, laboratory and instrumental studies. Formulate a clinical diagnosis taking into account the requirements of the ICD and disease classification rules. Recognize emergency conditions, conduct a primary diagnosis, and assess the severity of the patient's condition.
<b>Expertise:</b>
Skills in coding diagnoses according to the ICD, taking into account the underlying disease, comorbidities, and complications. Diagnostic search algorithms for acute and life-threatening conditions and methods for their early detection. Methods for making clinical decisions and triaging patients in emergency departments.
<b>PC-7: Able and willing to conduct and interpret interviews, physical examinations, clinical examinations, results of modern laboratory and instrumental studies, and fill out medical records for outpatients and inpatients.</b>
<b>Knowledge:</b>
Methods for collecting and analyzing patient complaints, medical history data, indications and contraindications for additional laboratory and instrumental research methods.
<b>Skills:</b>
To interview, collect complaints and anamnesis from outpatients and inpatients of adults and children, using methods and means of medical examination and diagnostic measures.
<b>Expertise:</b>
Skills in prescribing the necessary laboratory and instrumental research methods in outpatient and inpatient settings, as well as skills in preparing medical histories and maintaining outpatient cards for adults and children.
<b>PC-5: Capable and ready to work with medical equipment and medical instruments used in working with patients, and to apply the capabilities of modern information technologies to solve professional problems.</b>
<b>Knowledge:</b>
Principles of working with medical and technical equipment used in working with patients, be proficient in computer technology, obtain information from various sources, work with information in global computer networks, apply the possibilities of modern information technologies for solving professional problems, the basic patterns of development and functioning of the human body based on the structural organization of all levels;
<b>Skills:</b>
Understands the principles of working with medical and technical equipment used in work with patients, has computer skills, receives information from various sources, works with information in global computer networks, applies the capabilities of modern information technologies to solve professional problems, the basic patterns of development and vital activity of the human body based on the structural organization of all levels;
<b>Expertise:</b>
Capable of working with medical and technical equipment used in work with patients, be proficient in computer technology, receive information from various sources, work with information in global computer networks, apply the possibilities of modern information technologies for solving professional problems, the basic patterns of development and functioning of the human body based on the structural organization of all levels;

**As a result of mastering the discipline, the student must**

<b>3.1</b>	<b>Knowledge:</b>
<ul style="list-style-type: none"> <li>-Fundamentals of epidemiology and prevention of infectious, parasitic and non-infectious diseases.</li> <li>- Principles of vaccination, sanitary and hygienic standards, healthy lifestyle.</li> <li>- Methods for assessing the effectiveness of preventive measures.</li> </ul>	
Clinical manifestations, causes, and pathogenesis of the most common acute and chronic diseases that do not require emergency medical care. Principles for organizing outpatient care and managing patients with exacerbations of chronic diseases. Current standards and clinical guidelines for diagnosis, treatment, and monitoring of patients in outpatient and inpatient settings.	
Principles of clinical diagnostics: diagnostic stages, diagnosis structure (underlying disease, comorbidities, complications), and rules for formulating it. The International Classification of Diseases (ICD), its structure, and rules for coding diseases and conditions. Clinical signs and pathogenetic mechanisms of emergency and life-threatening conditions (shock, myocardial infarction, pulmonary embolism, stroke, acute respiratory failure, etc.).	
Methods for collecting and analyzing patient complaints, medical history data, indications and contraindications for additional laboratory and instrumental research methods.	
Principles of working with medical and technical equipment used in working with patients, be proficient in computer technology, obtain information from various sources, work with information in global computer networks, apply the possibilities of modern information technologies for solving professional problems, the basic patterns of development and functioning of the human body based on the structural organization of all levels;	
<b>3.2</b>	<b>Skills:</b>
<ul style="list-style-type: none"> <li>- Conduct preventive examinations, screening, vaccination.</li> <li>- Identify and eliminate risk factors for diseases.</li> <li>- Evaluate the results of preventive programs and adjust them.</li> <li>-Organize health education work.</li> </ul>	
Assess the patient's condition, make a diagnosis and determine the necessary amount of treatment in cases that are not life-threatening. Prescribe adequate drug therapy and monitor its effectiveness and safety. Prevent exacerbations of chronic diseases and provide educational support on adherence to treatment regimens, diet, and lifestyle changes.	
Apply diagnostic algorithms based on complaints, medical history, physical examination data, laboratory and instrumental studies. Formulate a clinical diagnosis taking into account the requirements of the ICD and disease classification rules. Recognize emergency conditions, conduct a primary diagnosis, and assess the severity of the patient's condition.	
To interview, collect complaints and anamnesis from outpatients and inpatients of adults and children, using methods and means of medical examination and diagnostic measures.	
Understands the principles of working with medical and technical equipment used in work with patients, has computer skills, receives information from various sources, works with information in global computer networks, applies the capabilities of modern information technologies to solve professional problems, the basic patterns of development and vital activity of the human body based on the structural organization of all levels;	
<b>3.3</b>	<b>Expertise:</b>
<ul style="list-style-type: none"> <li>- Skills in applying sanitary and hygienic requirements in practice.</li> <li>- Methods of epidemiological control and monitoring.</li> <li>- Techniques of motivational counseling for a healthy lifestyle.</li> </ul>	
Skills in carrying out basic treatment and diagnostic procedures in an outpatient setting. Individualized approaches to managing patients with chronic diseases in remission and exacerbation. Skills in monitoring, assessing the effectiveness of therapy and promptly referring patients to a specialist if necessary.	
Skills in coding diagnoses according to the ICD, taking into account the underlying disease, comorbidities, and complications. Diagnostic search algorithms for acute and life-threatening conditions and methods for their early detection. Methods for making clinical decisions and triaging patients in emergency departments.	
Skills in prescribing the necessary laboratory and instrumental research methods in outpatient and inpatient settings, as well as skills in preparing medical histories and maintaining outpatient cards for adults and children.	
Capable of working with medical and technical equipment used in work with patients, be proficient in computer technology, receive information from various sources, work with information in global computer networks, apply the possibilities of modern information technologies for solving professional problems, the basic patterns of development and functioning of the human body based on the structural organization of all levels;	